



Revision number: 7

Purchasing Agent: DEBBIE GUNDERSEN

**Item: COMMUNICATIONS - MICROWAVE EQUIPMENT & SERVICES**

Vendor: 15111H C HARRIS CORPORATION  
330 TWIN DOLPHIN DR.  
REDWOOD SHORES, CA 94065-1408

Internet Homepage: <http://www.harris.com>

Telephone: (206) 340-1015

Fax number: (206) 340-0612

Contact: RON ADAMS

Email address: radams@harris.com

Brand/trade name: HARRIS

Price: BOOK # NA-907264/ SEE ATTACHED DISCOUNT SCHEDULE

Terms: NET 30

Effective dates: 10/18/02 through 10/17/03

Days required for delivery: 60-120 DAYS

Price guarantee period:

Minimum order: \$50.00

Min shipment without charges: FREIGHT INCLUDED

Other conditions: FOUR (4) ADDITIONAL ONE YEAR OPTIONS TO RENEW  
AFTER 10/17/00.

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**NOTE REVISION #7: CONTRACT EXTENDED FOR ONE YEAR.**

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This contract covers only those items listed in the price schedule. It is the responsibility of the agency to ensure that other items purchased are invoiced separately. State agencies will place orders directly with the vendor (creating a PG in Finet) and make payments for the same on a PV referencing the original PG. Agencies will return to the vendor any invoice which reflects incorrect pricing.



<u>PRODUCT</u>	<u>DISCOUNT</u>	<u>COST</u>
CONSTELLATION 155 (SERIES)	47%	(See Attached Pricing)
CONSTELLATION 6-16T	46%	29,770
CONSTELLATION 10-16T	51%	28,630
CONSTELLATION 6-28	48%	33,425
CONSTELLATION 11-28T	48%	35,652
MICROSTAR 18-DS-3	—	22,925
MICROSTAR E 38 Ghz	30%	4,158
MICROSTAR E 15/18/23 Ghz W/1' ANTENNA	30%	4,760
MICROSTAR E 15/18/23 Ghz W/2' ANTENNA	30%	5,040
MICROSTAR E 15/18/23 Ghz W/4' ANTENNA	30%	6,020
CAC M1-3 MUX W/ CABLES & BRACKETS	—	6,818
MS155-6 (OC3)	45%	40,920
MS155-11 (OC3)	45%	44,880
DDM2000	15%	-----
MS2000-6 TERMINAL	35%	78,750
MS2000-6 REPEATER	35%	135,625
MS2000-11 TERMINAL	35%	84,875
MS2000-11 REPEATER	35%	147,875
MICROSTAR 18-8 DS1 (3)	51%	16,300
MICROSTAR 23-8 DS1 (3)	51%	16,300
AURORA 2.4	25%	4,496
AURORA 5.8 1 T1	24%	5,295
AURORA 5.8 2 T1	29%	5,995

GALAXY DIGITAL RADIO

DSDA - 18GHz	30%	-----
DSDB - 23GHz	30%	-----
DSDC - 26GHz	30%	-----
DSDD - 28GHz	30%	-----
DSDE - 38GHz	30%	-----
ACCESSORIES FOR THE GALAXY RADIOS	30%	-----

	<u>COST</u>
CONSTELLATION ORDER WIRE	820
HAND HELD KEYPAD/DISPLAY, MICROSTAR & CONSTELLATION	350
7'0" RACK WITH FUSE PANEL FOR CONSTELLATION & MICROSTAR	650
(1) CAU	12% 2,110
SERVICES & TRAINING	NO DISCOUNT
28 DSI 56 CIRCUIT DSX1 JACK PANEL	1,485
32 CIRCUIT DSX1 JACK PANEL	933
16 DS1	
DSX-3 PATCH PANEL CHASSIS	110
DSX3 MODULE	504

**EXCEPT FOR AURORA, ALL ASSEMBLIES ARE MHSB, HIGH TRANSMIT POWER. SPACE DIVERSITY ADDITIONAL COST.**

**ALL ASSEMBLIES DS-1 FULLY LOADED EXCEPT MEGASTAR 2000 WHICH IS E/W 56 DS-1. SPARES SAME DISCOUNT AS PRODUCT FROM DIVISION PRICE BOOK.**

**Utah State Constellation 155 Prices:**

<b>Antenna coupler and diversity options</b>	<b>Unprotected</b>	<b>Unprotected</b>	<b>Hot</b>	<b>Hot</b>	<b>Split</b>
C155 LIST 6 Ghz OC-3	\$37,300	\$52,850	\$64,000	\$65,100	\$66,650
Utah State Price	\$19,895	\$27,772	\$34,108	\$34,639	\$35,446
Utah State Price	\$20,998	\$29,313	\$36,000	\$36,560	\$37,412
C155 LIST 11 Ghz OC-3	\$39,400	\$55,600	\$67,600	\$68,950	N/A
Utah State Price	\$21,072	\$29,415	\$36,125	\$36,668	N/A
Utah State Price	\$22,070	\$30,809	\$37,839	\$38,427	N/A
*2xDS3 + 28DS1 Requires M12 Cards	\$1,250	Per M12 Card			
Utah State Price	\$625				
Order wire with handset	\$820				
Keypad/display with cable	\$350				
7'0" rack with fuse panel	\$650				
SCAN interconnect cable	\$90				
Order wire interconnect cable	\$90				

Antenna port extension for 2 terminals  
in same rack:

	<u>6GHz</u>		<u>10/11 GHz</u>	
	<u>MHSB</u>	<u>MHSB-SB</u>	<u>MHSB</u>	<u>MHSB-SD</u>
1 RMS	\$470	\$865	\$440	\$800
6 RMS	\$595	\$1,115	\$515	\$950
10 RMS	\$660	\$865	\$570	\$800

**Note:**

1. A 3 DS3 terminal may be used to drop DS1 lines (up to 28 DS1) directly by selecting a DS3 and equipping M12 cards for the DS1 lines selected to drop. This would then become a 2 DS3 + 28 DS1 terminal.
2. A repeater assembly consists of two terminals which may be mounted in a same rack. A waveguide extension kit is required to bring the bottom terminal waveguide to the top of the rack. Interconnection cables are required between the terminals for SCAN and order wire. DS3 lines may be cross-connected through directly or via DSX3 panels.
3. At a repeater DS1 lines may be dropped, from either direction, by selecting one of the DS3 lines (using the keypad or using a PC ) and inserting M12 cards. DS1 lines not dropped would pass through the repeater via the DS3 inter-connection cables. Any DS3 may be selected to drop DS1 lines at a site but only one DS3 can drop DS1 lines at an individual site.



- (1) DVA IS REPLACED BY CAU, FUNCTIONALITY THE SAME AT SAME COST
- (2) CONSTELLATION 8 DS1 RADIOS SAME DISCOUNT AS 16 DS1 RADIO
- (3) 4 DS1 MICROSTAR SAME DISCOUNT AS 8 DS1 RADIO
- (4) DVP-1 REPLACED BY LARUS LOOP SWITCH

AS OF 2/3/00 THE FOLLOWING ITEMS HAVE BEEN REMOVED: DVM6/11/18-45, DVM6/10/18XT, DVT16/44, DVL44, DVS II, DVA (Replaced by CAU), DVP-1 (replaced by Larus switch), EVA; ITEMS ADDED: 16 DSI, 32 CIRCUIT DSX1 JACK PANEL FOR \$ 933, 28 DSI 56 CIRCUIT DSX1 JACK PANEL FOR \$ 1,485. AS OF 2/26/00 THE FOLLOWING ITEMS HAVE BEEN APPROVED AND ADDED: DSX-3 PATCH PANEL CHASSIS \$110.00, DSX3 MODULE \$ 504.00

Note: When DSX panels are mounted in a radio rack they will be connected to radio with 25 pair (for DSX1) or 75 ohm coax cable (DSX3). If shipped loose they will include 25' cable stubs.

**FINET COMMODITY CODE(S):**

72536000000-MICROWAVE EQUIPMENT INCLUDING SECURITY SENSORS

72561000000-TOWERS: BROADCASTING, MICROWAVE, TRANSMITTING, ETC.